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Comments:

Serial No. 10/045,316 Our Ref.: 1321-01

Attached are Comparison Figs. A and B for the Amendment filed on January 13, 2006.

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Piper Rudnick LLP

Expreimental Conditions

	This Invention	n (Table 1)	Hassan	(Table 1)
Initial VOC	5mg/L	[0063]	Not Disclosed	-
capacity of a vial	100mL	-	120mL	item 2.1
amount of	50mL	[0063]	100mL	Item 2.1
amount iron powder	5g	[0063]	2g	Item 3.3
aquaous phase /iron	10L-kg-1	(calculat ed)	50L-kg ⁻¹	(calculate d)

Results in This	Invention (Tab	le 1)				
S content	(mass%)	0.03	0.1	0.2	0.4	0.94
rate constant of dehalogenatio	per hour (hr ⁻¹)	0,01	0.04	90.0	0.07	0.09
	per day (d 1)	0.24	0.96	1.44	1,68	2.16
	compensated by aqua/powder (L·d ⁻¹ ·kg ⁻¹)	2.4	9.6	14.4	16.8	21,6

Results in This	Hassn (Table	1)			
concentration of NaSH	mM/L	0	1	2	4
\$ content*	(mass%)	0	0.16	0.32	0.64
	per day (d ⁻¹)	0	0.0396	0.0845	0.3663
of dehalogenatio n	compensated by aqua/powder (L-d ⁻¹ •kg ⁻¹)	0	1.98	4.225	18,315

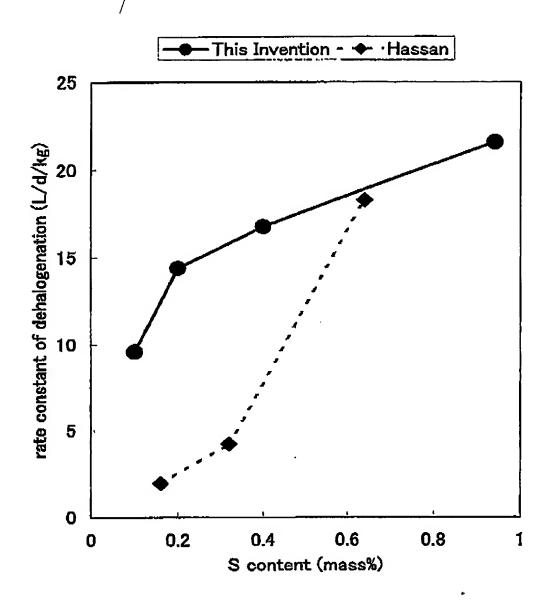
*calucrated assuming that every S in NaSH has been depoited on the iron powder particle

VOC: volatile organic compound

L: litter

Comparison Fig. A

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Comparison Fig. B

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